KOZHANOV, M.G.; RASHEVICH, A.Ya.; KAZAKOV, A.I.; KULAKOV, A.M.

K WALES

Washing the regenerator checkerwork of large-capacity openhearth furnaces. Metallurg 6 no. 1:17-18 Ja '61. (MIRA 14:1)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Open-iwarth furnaces-Maintenance and repair)

VORONOV, F.D.; TRIFOHOV, A.G.; KHUSID, S.Ye.; DIKSHTEYN, Ye.T.; VALIPITER, E.V. SNEGIREV, Yu.B.; ANTIPIN, V.G.; Prinimali uchastiye: SMIRKOV, L.A.; KAZAKOV, A.I.; YELIZAROV, A.G.; KULAKOV, A.M.; KOZHAKOV, M.G.; ZARZHITSKIY, Yu.A.; ARTAMONOV, M.P.; GOLIDENBERG, I.B.; F.OMANOV, V.M.; NOVIKOV, S.M.; MAYEVSKIY, A.B.; DMITRIYEV, I.; MANZHULA, M.; HEREZOVOY, I.A.; ZUTS, K.A.; BADIN, S.N.; TATURINTSEV, G.; MITROFANOV, N.G.; GAVRILOVA, K.M.; IVANOV, N.I.

THE PROPERTY OF THE PROPERTY O

Operating a 400-ten open-hearth furnace on casing-head gas.

Stal' 20 no. 7:594-598 J1 '60. (MIRA 14:5)

(Open-hearth furnaces--Equipment and supplies)

VORNOV, F.D.; BIGEYEV, A.M.; DIKSHTEYN, Ye.I.; TRIFONOV, A.G.; KAZAKOV.
A.I.; KOROLEV, A.I.; BORODIN, G.L.; ANTIPIN, V.G.; KULAKOV, A.M.;
KOZHANOV, M.G.; GAZHUR, V.F.

Investigating the operation of 400-ton open-hearth furnaces following redesign. Stal' 22 no.10:904-907 0'62. (MIRA 15:10)

1. Magnitogorskiy metallurgicheskiy kombinat i Magnitogorskiy gorno-metallurgicheskiy institut.

(Open-hearth furnaces)

VORONOV, F.D., prof.; D'YAKONOV, A.I., kand.tekhn.nauk; DIKSHTEYN, Ye.I., inzh.; TRIFONOV, A.G., inzh.; LORMAN, V.V., inzh.; KAZAKOV, A.I., inzh.; KOVALIK, I.S., tekhnik

Technological characteristics of Magnitogorsk Matallurgical Combine openhearth furnace operations using compressed air in the fuel spray. Stal' 23 no.12:1088-1091 D '63. (MIRA 17:2)

1. Magnitogorskiy metallurgicheskiy kombinat i Magnitogorskiy gornometallurgicheskiy institut.

NAKOV, L.A.; KAZAKOV, A.K.; SHPAYKHER, V.I. Vactum unit for light annealing. Mashinostroitel no.3:34 (MIRA 16:4) (Titanium alloys-Heat treatment)

KAZAKOV, A. M. Win Higher Education USSR. Moscow Mining Inst imeni I. V. Stalin.

KAZAKO7, A. M. - "Investigation of the operation of the drive system of the E-509 universal excavator." Min Higher Education USSR. Moscow Mining Inst imeni I. V. Stalin. Moscow, 1956.
(Dissertation for the Degree of Candidate in Technical Sciences.)

SO: Knizhnaya Letopia', No. 13, 1956

KAZAKOV, A.M., inzhener.

Water level conditions in the tailrace of hydroelectric power stations. Rech. transp. 15 no.1:18-19 Ja '56. (MLRA 9:5) (Hydroelectric power stations)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

KAZAKOV, A.M., inzh.

Refloating vessels by means of water released from hydroelectric power station reservoirs. Rech.transp. 16 no.9:20-22 S '57.

(MIRA 10:12)

(Rivers -- Regulation)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

3(7) AUTHOR:

Kazakov, A. M.

SUV/50-59-5-7/22

TITLE:

Calculating the Characteristics of the Drain Wave (Raschet kha-

rakteristik volny popuska)

FERIODICAL:

Meteorologiya i gidrologiya, 1959, Nr 5, pp 37 - 39 [JSGR]

ABSTRACT:

The possibility of regulating the discharge of the river below the power station permits a number of production problems to be solved. Thus, artificial high tides can be produced in the critical points of time of low water. Such problems had already turned up in case of the River Kana, and they were solved by regulating the discharge from the Kama Power Station. At first, conditions had to be established which were suited to guarantee the demanded hydrological characteristics. An example is given here for such case where an artificial high tide was produced in September 1957. The Kama water basin had a rate of flow of only 450-600 m3/sec at that time. Thanks to the reserves of the power station, a daily rate of 800 m3/sec was delivered. In spite of this, a slow and steady decrease in the water level began on the section from the town of Perm' to the mouth of the River Belaya, i.e. 542 km. At that time, it became necessary to lift the water level for a short time at 450 km from the dam. The hypsometric station of Sarapul, 435 km from the dam, was chosen as

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CIA-RDP86-00513R000721310002-5"

Calculating the Characteristics of the Drain Wave

SOV/50-59-5-7/22

a basic point for calculations. There, the level had to be lifted by 40 cm. The deliberations for solving this problem are put forward here. A consumption of 1200 m²/sec was computed. On August 31, 1957, the Kama Power Station started the drain at 1200 m²/sec. It lasted until September 2, 16 hours, when the consumption was reduced to 800 m²/sec. The problem was solved. The difference between the calculated and the real values was only 4-6 cm. As had been anticipated, the maximum in Sarapul occurred on September 6. There are 1 figure and 1 table.

Curd 2/2

KAZAKOV, A.M., inzh.

Determining the level stages in the continuous-flow zone of the tailrace of the Pera Hydroelectric Station. Rech. transp. 18 no.1:34-36 Ja 159. (MIRA 12:2)

1. Kamskoye basseynovoye upravleniye puti.
(Hydraulics) (Perm Hydroelectric Power Station)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

TAZAKOV, A.N., insh.

Reconstruction of the Moskva River lock system; from Pererva to the mouth of the river. Gor. khoz. Mosk. 74 no.9:72-25 S '60.

(MIRA 13:9)

(Moskva River--Locks (Hydraulic engineering))

5(4), 10(7)507/20-122-6-25/49 Kogarko, S. M., Skobelkin, V. I., Kasakov, A. N. AUTHORS: TIPLE: The Interaction Between Shock Waves and the Front of a Flame (Vzaimodeystviye udarnykh voln s frontom plameni) Doklady Akademii nauk SSSR, 1958, Vol 122, Nr 6, pp 1046-1048 PERIODICAL: (USSR) ABSTRACT: The present paper investigates the intensification of shock waves in their interaction with the front of a flame by variation of the normal combustion process in the shock wave. The length of the shock wave is assumed to be sufficient in the direction of the reaction zone. For the interaction between such a shock wave and the flame front the following applies: 1) The shock wave is transformed at the flame front (like on the boundary dividing two media). In this way a refracted and a reflected wave are formed. The flame front can by approximation be considered to be a contact-discontinuity. The expressions for the refraction coefficient are written

down. 2) When passing through the flame front the shock wave compresses the gas in the reaction zone, whereby temperature rises. This temperature rise increases reaction velocity, so

SOV/20-122-6-25/49

The Interaction Between Shock Waves and the Front of a Flame

that the propagation velocity of the flame is also increased. This propagation velocity increases very rapidly, and therefore this process may be looked upon as a sort of explosion in the gas current behind the shock wave; it causes the formation of 2 additional (intensifying) shock waves. The shock wave front moves with subscnic velocity in relation to the disturbed gas, and therefore any kind of disturbance is able to catch up with this front in the current behind the shock front, thus changing its structure. The propagation velocity of the flame is not increased immediately upon arrival of the shock wave, but only after a certain relaxation time. The latter is of the same order of magnitude as the duration of reaction. A diagram schematically shows the intensification of the shock wave ween passing through the flame front. Expressions for shock front calculation are given. The new propagation velocity of the flame is calculated according to the theory developed by Zel'dovich. The amplitude of the intensifying shock wave depends upon the amplitude of the initial shock wave as well as on the kinetic properties (reaction velocity, calorific value, activation energy, etc.) of the fuel. The second diagram shows the amplitude of the inten-

Card 2/3

SOV/20-122-6-25/49

The Interaction Between Shock Waves and the Front of a Flame

sifying shock wave of compression in the reaction zone for 2 different propagation velocities. There are 2 figures and

5 Soviet references.

ASSOCIATION: Institut khimicheskoy fiziki Akademii nauk SSSR

(Institute for Chemical Physics of the Academy of Sciences,

ÚSSR)

FRESENTED: June 21, 1958, by V. N. Kondrat'yev, Academician

SUBMITTED: June 11, 1958

Card 3/3

Geographical names of the Levezere tundra on the Kola Peninsula.

Geographical names of the Levezere tundra on the Kola Peninsula.

(MIRA 9:6)

Uch.zap.Len.un. ne.124:297-313 149.

(Levezero fundra) Names, Geographical)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

表表。2017年1月 - 1200年 - 1

KAZAKOV, A.H.

Names, Geographical - Murmansk Province

Characteristics and distribution of Lapp geographical mass in the Marmansk Province, Izv. Vses. geog. obshch., 84, No. 4, 1952.

Monthly List of Russian Accessions, Library of Congress, October 1952, Unclassified.

KAZAKOV, A. N.

"Fetrology of the Intrusives of the Northwestern Part of the Mansk Granite Field." Cand Geol-Min Sci, Leningrad State U. Leningrad, 1954. (EZhGeol, No 1, 1955)

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SO: Sim. No. 556, 24 Jun 55

TATAKOV, A.N. Prevalence of positive microclines. Zap.Vses.min.ob-va 85 no.3: (MLRA 9:11) (Vicrocline)

KARAKOV, A.N.

VELIKOSLAVINSKIY, D.A.; KAZAKOV, A.N.; LOBACH_ZHUCHENKO, S.B.; MANUYLOVA, M.M.

Geology of the northeastern part of the Northern Baikal Highland. Trudy Lab. geol. dokem. no.7:120-230 157. (MIRA 11:3) (Northern Baikal Highland -- Geology)

KAZAKOV, A.N.; SOKOLOV, Yu. M.

Geology of the Orkolikan series overburdening lower Proterozoic formations in the central part of the Northern Baikal Highland.

Trudy Iab. geol. dokem. no.7:231-245 157. (MIRA 11:3)

(Notthern Baikal Highland—Bocks, Sedimentary)

KAZAKOV, A.N.

Pseudoconglomerates of the Mama complex (Northern Baikal Highland).
Trudy Lab.geol dokem. ac.9:336-356 '59.
(Mama Valley--Conglomerate)



Structure of the Mama formation (Northern Baikal Highland). Trudy Iab. geol. dokem. no.11:43-52 160. (MIRA 14:1)

(Northern Baikal Highland—Geology)

V...TECSLAVINSKIY, D.A.; KAZAKOV, A.N.; GERLING, E.K.

Age of geological formations in the Northern Baikal Highland.

Trudy Lab.geol dokem. no.12:281-290 161. (MIRA 14:11)

(Northern Baikal Highland—Geological time)

VILENSKIY, A.M.; KAVAGDIN, G.I.; GRAVYJOVA, L.I.; GRAZITGIZA, G.N.; EAZAKOV, A.N., red.

[retrology of trap intrusions on the right bank of the lower reaches of the Venisey River] Ectrologila trappovykh intruzii pravobarezh'ia nizhnego techeniia Eniseia. Macka, Nacka, 1964. 236 p. (MIEA 17:9)

RADAKOV, A.N.

Microstructural crientation of playing in the rocks of the supposedly upper mantle. Nap.Vses.min.ob-va 94 no.5:576-580 165. (MIRA 28:21)

1. Deystvital nyy chlen Vsescyum go mineralogicheskogo obshchestva, Leboratoriya geologii dekembriya AN SOSR, Leningrad.

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

KAZAKOV, A. P.

Skorostnye metody obrabotki flota Accelerated methods of servicing the fleet. Moskva, Rechizdat, 1952. 27 p.

SO: Monthly List of Mussian Accessions, vol. 6 No. 11 February 1954

KAZAKOV, Anatoliy Paylovich; YEL MEYEV, V.Ya., otv.red.; KOHNEYEV, M.Ya., red.; VODOLAGINA, S.D., tekhn.red.

[Production of material wealth is the basic source of social development] Material noe proizvodstvo - osnova obshchestvennogo razvitiia. Sost. A.P.Kazakov. Leningrad, 1957. 25 p.

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1. Leningrad. Universitet. Otdel zaochnogo obucheniya. Kafedra dialekticheskogo materializma.
(Economics)

YEL'MEYEV, V.Ya., prepodayatel'; IVANOV-OMSKIY, I.I., prepodavatel'; KAZA-KOV, A.P., prepodavatel'; NOVOZHILOVA, L.I., prepodavatel'; DROZDOV, A.V., prepodavatel'; KORNEYEV, M.Ya., prepodavatel', BELYKH, A.K., prepodavatel'; YADOV, V.A., prepodavatel'; ROZHIN, V.P., prof., otv. red.; MIKHLIN, Ye.I., red.; VODOLAGINA, S.D., tekhn. red.

[Base and superstructure of a socialist society] Bazis i nadstroika sotsialisticheskogo obshchestva. Leningrad, Izd-vo Leningr. univ., 1961. 168 p. (MIRA 14:9)

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APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

SUKOLENOV, Aleksandr Yevdokimovich, kend. tekhn. nauk; MARFENIN, N.V., inzh. retsenzent; KAZAKOV, A.P., dots., kand. tekhn.nauk, retsenzent; RZHECHITSKIT, B.D., Theh., red.; MAKRUSHINA, A.N., red. izd-va; RIDNAYA, I.V., tekhn. red.

[Mechanization and organization of cargo-handling operations]
Mekhanizatsiia i organizatsiia gruzovykh rabot. Moskva, Izd-vo
"Rechnoi transport," 1963. 431 p. (MIRA 16:5)

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(Cargo handling—Equipment and supplies)
(Inland water transportation—Management)

VAL'KOV, Grigoriy Petrovich. Prinimali uchastiye: KAZAKOV, A.P., kand. tekhn. nauk, dots.; GNOYAN, A.A., inzh.; MOFOZOV, N.P., inzh.; ARTAMONYCHEV, A.N., kand. tekhn. nauk, retsenzent; MARFENIN, N.V., inzh., retsenzent; RZHECHITSKIY, B.D., red.; MAKRUSHINA, A.N., red.

[Organization of cargo handling; problems and examples] Organizatsiia gruzovykh rabot; zadachi i primery. Moskva, Transport, 1965. 299 p. (MIRA 18:6)



KAZAKOV, A.P., dotsent, kand. tekhn. nauk

机自动物理 医多种的阴极性 医自己性神经病

Substantiation of the economic expediency of establishing cement storage centers in large transport terminals. Trudy GIIVT no.49:3-17 '63. (MIRA 18:6)

Rafining magnesium by rone melting. Izv. AN SSSR. Met. nc.4:72-90 (MIRA 18:8)

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

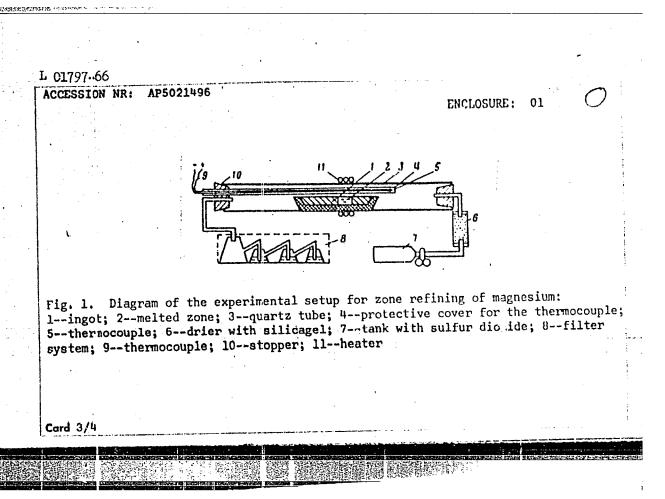
EVT(m)/EPP(t)/EPP(b) IJP(c) JD UR/0370/65/000/004/0092/0096 ACCESSION NR: AP5021496 669.2/8.43 AUTHOI: Kazakov, A. P. (Moscow); Belyayev, A. I. (Moscow); Vigdorovich, 44.55 1 (Moscow) Purification of magnesium by zone refining TITLE F4.55 SOURCE: AN SSSR. Izvestiya. Metally, no. 4, 1965, 92-96 TOPIC TAGS: magnesium, metal zone refining, metal purification ABSTRACT: Highly pure magnesium is needed more and more in atomic power engineering, semiconductor technology and other branches of science and technology. The authors examine the ber wior of impurities in magnesium during purification by the zone refining method. The distribution factors for impurities in magnesium are briefly analyzed theoretically. The distribution of aluminum, copper, silicon and iron impurities in magnesium is studied experimentally. The zone refining was done at rates of 0.22, 0.35, 0.70 and 1.05 mm/min. The experimental setup is shown in

Card 1/4

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

fig. 1 of the Enclosure. The effective distribution factor of the impurities was studied as a function of the rate of motion of the melted zone (f) after various

	ACCESSION NR: AP5021496	· · · · · · · · · · · · · · · · · · ·	
•,	numbers of passes (n). The results of this study are given in table 1 of the closure. Orig. art. has: 5 figures, 2 tables.		
. •	ASSOCIATION: none		
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L 01797-66 ENCLOSURE: ACCESSION NR: AP5021496	02		
TABLE 1 Effect of the rate of motion of the melted zone on the distribution of Al, Si and Cu impurities in magnesium after zone refining with various numbers of passes			
mm/min " 10 45 80 115 150 10 45 80 115 150	5 160		
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1 132 170		
1.65 3 37 34 37 40 40 10 21 30 39 120 5 8 10 10 21 30 39 145 2 8 10 10 28 145 2 8 10 10 28 145 2 8 10 10 28 145 2 8 10 10 28 145 2 8 10 10 10 28 145 2 10 10 10 10 10 10 10	11 110 00 170		
Card 47.4	Constitution of the consti		

JD/HW/WB/nD IJP(c) EWT(m)/EWA(d)/EWP(t) SOURCE CODE: UR/0000/65/000/000/0123/0135 28399-66 ACC NR. AT6(113792 . Ye, N. (Candidate of chemical sciences); Kazakov. AUTHOR: Mirolyubov, Y Kurtepiv, A. P. ORG: none TITLE: Effect of chlorides on the corrosion resistance of stainless steals in nitric acid solutions SOURCE: Korroziya metallov i splavov (Corrosion of metals and alloys), no. 2. Moscow, Izd-vo Metallurgiya, 1965, 123-135 TOPIC TAGS: chromium steel, nickel steel, stainless steel, corrosion resistance, nitric acid, test method/1Kh18%9T stainless Cr-Ni steel ABSTRACT: Various corrosion tests were per ormed, each suited to the test objective; measurement of corrosion potentials as a function of time, and of corrosion as a function of the potential of the steel, with the aid of a hydrogen reference electrode. The potential measurements were based on the scheme: x mol HNO3/KNO3 (sat.)/ /KCl(sat), 162Cl2/Hg, with the chlorine ions being added to the solution in the form of NaCl. Findings: the addition of Cl ions to HNO3 solutions causes the potential of stainless steels to shift from a passive state characterized by a high corrosion resistance, to an active state at which their corrosion rate increases by several orders of mignitude. After some time, however, the corrosion process ceases and the steel returns to passive state. In this connection, the corrosion rate of stainless

L 28399-66

ACC NR: AT6(113792

steels is greatly affected by the test method. For example, it was established that, all other conditions remaining equal, the corrosion rate of IKhl8N9T steel at 20°C increases with increasing ratio of the volume V of 3M H2SO4 solution (containing 10 g/liter NuCl) to the surface S of the specimens of this steel (length of experiments 20 hr); thus, for a V/S ratio (cm3/cm2) of 3.7 the corrosion rate F is 3.8 g/(m^2 -hr), whereas for V/S = 70, K = 24.4 g/(m^2 -hr). Corrosion rate also varies with time; thus, for 1Kh18N9T steel in 3M HNO3 with 10 g/liter NaCl at 20°C and V/S = 7.5, K = 12.3 g/(m²-hr) when test time $\tau = 1$ hr, but K = 24.2 g/(m²-hr) when $\tau = 4$ hr and $K = 2.9 \text{ g/(m}^2-\text{hr})$ when $\tau = 46 \text{ hr}$, and for $\tau > = 46 \text{ hr}$ the steel ultimately returns to passive state. Corrosion rate tends to increase with increasing V/S ratio as well as with decreasing distance from surface of specimen to surface of solution. Thus, () when evaluating the effect of various factors on the corresion rate of unainless steels in HNO3 solutions with Cl ions, allowance must be made for the features of the test method selected, preferably selecting a test method that simulates best the presumed operating conditions. Generally, for stainless steels in HNO3 solutions with chlorides in active state, the corresion rate increases with increasing temperature and mixing rate of the solution and decreasing Ni Content of the steel, and passes through a maximum when the concentrations of the acid and chloride and the Cr content of the steel are increased. Orig. art. has: 9 figures and 4 tables.

SUB CODE: (07,11 SUB; DATE: 19Ju165/ ORIG REF: 012/ OTH REF: 003

Cond 2/2 3

ACC NR: 1.P7002862

SOURCE CODE: UR/0149/66/000/006/0079/0085

AUTHORS: Mazakov, A. P.; Belyayev, A. I.; Vigdorovich, V. N.

ORG: Moscow Institute for Steel and Alloys, Department of Manufacture of Pure Metals and Semiconductor Materials (Moskovskiy institut stali i splavov. Kafedra proizvodstva chistykh metallov i poluprovodnikovykh materialov)

TITLE: Investigation of conditions for zone recrystallization of magnesium

SOURCE: IVUZ. Tavetnaya metallurgiya, no. 6, 1966, 79-85

TOPIC TAGS: magnesium, copper, aluminum, silicon, metal recrystallization, metal purification, metal zone refining

ABSTRACT: The conditions for zone recrystallization of magnesium were studied, supplementing the results of A. P. Kazakov, A. I. Belyayev, and V. N. Vigdorovich (Izv. AN SSSR, Metally, No. 4, 92, 1965). The experimental procedure followed is described by V. Dzh. Pfann (Zonnaya plavka. Metallurgizdat, 1960). The dependence of the effective distribution coefficients of Al, Cu, and Si impurities in zone-refined Mg was studied as a function of the recrystallization rate. The experimental results are presented in graphs and tables (see Fig. 1). The following relationship between the effective distribution coefficient K and the crystallization rate f was observed

$$g\left(\frac{1}{\kappa_{A1}-1}\right) = 0.61 f + 0.363$$

Card 1/2

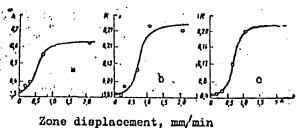
VDC: 669.721

ACC NR: AF7002662

$$\lg\left(\frac{1}{\kappa_{\rm SI}-1}\right)=0,977\,f+1,457$$

$$\lg\left(\frac{1}{\kappa_{\text{Cu}}-1}\right) = 0.801 f + 1.403...$$

Fig. 1. Dependence of effective distribution coefficients of Al (a), Si (b), and Cu (c) impurities in Mg on the zone displacement rate. The three points shown in the graph correspond to the experimental data of A. S. Yue and I. B. Clark (Trans ALLE, v. 211, No. 6, 881, 1958)



The concentration dependence of the effective distribution coefficients of Al, Cu, and Si impurities was studied in the concentration range of 10-1 to 10-3%, and the experimental results are tabulated. The rate of corrosion of zone-refuned Mg was compared with that of distilled Mg. It was found that zone-refuned Mg was identical in its corrosion behavior, with respect to HCl and KCl solutions, with that of fractionally distilled Mg. The experimental results are shown graphically. On the basis of the experimental results and literature data, a scheme is proposed for the classification of the effect of impurities on the purity of zone-refined Mg. Orig. art. has: 2 tables, 6 graphs, and 5 equations.

Card 2/2 SUB CODE: 11/ SUBM DATE: 080ct65/ ORIG REF: 005/ OTH REF: 002

APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

1. Carl Alexander (1984年) 1. Gallery (1984年) 1. Ga

29912-66 EWP(k)/EWT(m)/T/EWP(v)/EWP(t)/ETI IJP(c) JD/HM/HW

ACC NR: AF5027747

SOURCE CODE: UR/0137/65/000/008/E048/E048

AUTHOR: Kazakov, A. R

38 B

TITIE: Peculiarities of the feeding sources for radio-frequency welding of thin-walled straight-seamed pipes.

SOURCE: Ref. zh. Metallurgiya, Abs. 8E337

REF SOURCE: Tr. Vses. n.-1. in-ta tokov vysokov chastoty, vyp. 5, 1964, 51-65

TOPIC TACS: welding technology, metal tube, generator, rectification, automatic electric device

ABSTRACT: For radio-frequency welding it is necessary to have special tube generators. In using generators for walding pipes made of Al, Tl, and other hard to weld metals, it is necessary to have a filter which would lower the frequency amplitude of the variable constituent of the rectified voltage to 1%; in welding low-carbon and low-alloy steels - to 4%. In addition to the existing protective devices of the relay and signalization it is best to arrange protection for the rectifiers, generator tube and the signalization indicating the irregularities in automation and control circuit, as well as the flash back. The relays must be quick-acting.

M. Frolova

SUB CODE: 1.3 SUBM DATE: none

Cord 1/1 (1)

UDC: 621.791.77:621.774.2

GLEYKH, Yu.Ye., inzh.; LAKERNIK, R.M., inzh.; KAZAKOV, A.R., inzh.; LUNIN, I.V., inzh.

Characteristics of radio-frequency welding of the aluminum covering of cables. Svar. proizv. no.8:20-22 Ag '63. (MIRA 17:1)

1. Zavod "Moskabel" (for Lakornik). 2. Nauchno-issledovatel'-skiy institut tokov vysokov chartoty (for Lunin).

CIA-RDP86-00513R000721310002-5 "APPROVED FOR RELEASE: 06/13/2000

エカスのい

SOV/136-58-5-5/22

Bykhovskiy, Yu.A. and Polyakeva, V.V., Bagdasarov, V.A., · AUTHORS:

Kazakov, A.S. and Sarkisyan, A.M.

Converter Automation, Utilisation of Converter Gases TITLE:

and Application of a Spectroscope Method for Controlling the Bessemerisation Process (Avtomatizatsiya konverterov ispol'zovaniye konverternykh gazov i primeneniye spektral nogo metoda kontrolya protsessa Bessemerovaniya)

PERIODICAL: Tsvetnyye Metally, 1958 Nr 5, pp 28 - 34 (USSR)

Copper-chemical Combine, the produc-At the Alaverdi ABSTRACT:

tivity of converter operation and of the sulphuric-acid plant and converter campaign life were increased in 1957 by introducing automatic control and rapid analytical methods. The authors hope their description of the methods and their development will be useful to other combines. In adultion to the authors, the following participated in the work: from the Alaverdi Combine -Sakhanskiy, Zarapov, Bezhanov, Arutyunyan, Eavtyan, Kortava, Feofanov, Tumanyan and other; from Gintsvetmet - Rodionova, Kuznetsov and Olevanov; from the TsPKE of the Proyektmontazina (now Giprotsvetmet) -

Rozendor, Averbukh and Finger; from Kavteplokontrol'-Dzodtsoyev, Kapysitskiy and Vishnevskiy. The authors

Card1/3

SCV/136-58-5-5/22

*Converter Autometion, Utilisation of Converter Gases and Application of a Spectroscope Method for Controlling the Bessemerication Process

describe first the automation of converters with details of the instruments and a circuit diagram (Figure 1). The component parts of the system are units for automatic regulation of gas pressure in the dust-catcher for automatic control of blast flow rate and pressure for protecting tuyers from filling with liquid netal in the event of blast pressure falling below the safe value, for continuous temperature measurement in the conventer (Figure 2) and a series of alarm signals. The spectroscopic analytical method adopted was devel red after a special investigation in which the continuous flame spectrum was photographed and also studied visually. For determining the readiness of white matte, a pocket spectroscope is now used, the method being based on the appearance of two narrow lines (in the region 5400 and 5700 Å). For controlling the end of the bessemerisation process, the relation between the SO₂ content

of the exit gases and the state of the process is used. Card2/3 observations being made with a steeloscope. The results

Converter Automation, Utilisation of Converter Gases and Application of a Spectroscope Method for Controlling the Bessemerisation Process

in 1957 of the adoption of automation of the combine were a 5-6% increase in converter heat weight, 7-8% decrease in duration, a converter campaign life increase up to 5 1/2 from 3 months, increase in sulphur-dioxide concentration to 6-8% and savings of materials and power; production of elementary sulphur also increased and the overall productivity of the converter shop rose by 15%. There are 4 figures and 2 Soviet references.

ASSOCIATIONS:

Gintsvetmet and Alaverdi medno-khimicheskiy kombinat (AlaverdskyCopper-chemical Combine)

Card 3/3

1. Furnaces--Control sy tems 2. Waste gases--Applications

3. Sulfuric acid--Production 4. Steel--Production

5. Spectrophotometers--Applications

- 1. A. T. KAZAKOV, M. A. KHRYSTOV, A. N. OLONTSEV
- 2. USSH (600)
- 4. Ball bearings
- 7. Speed-grinding operators of the ball shop of the First State Bearing Plant. Podshipnik no. 12. 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



KOSTIN, S.A., inzh.; KIRICHENIO, A.V., inzh.; KAZAKOV, A.T., inzh.

Luboratory studies of using compressed air in dewatering coal middlings which have already been coagulated. Nauch. trudy KuzNIIUgleobog. no.1:33-45 '62. (MIRA 16:8) (Filters and filtration)

SITNIKOV, I.Ye.; KAZAKOV, A.T.

Efficiency of detonators. Gor.zhur. no.3:39-41 Mr '60.

(MIRA 14:5)

(Detonators) (Blasting)

KAZAKOV, Aleksey Tikhonovich: GLOTOV, O.K., red.; USHAKOVA, A.F., ved. red.; POLOSTNA, A.S., tekhn. red.

[Blasting methods and techniques in seismic prospecting] Metodika i tekhnika vzryvnykh rabot pri seismorazvedke. Moskva, Gos. nauchno-tekhn.izd-vo neft.i gorno-toplivnoi lit-ry, 1961. 217 p. (MIRA 14:12)

(Seisnic prospecting) (Blasting)

KOSTIN, S.A., inzh.; KAZAKOV, A.T., inzh.; KIRICHENKO, D.I., inzh.

Using polyacrylamide in laboratory and industrial studies on settling sludge and clarifying backwater at the **Kirov** preparation plant. Nauch. trudy KuzNIIUgleobog. no.1:62-72 '62. (MIRA 16:8) (Kuznetsk Basin--Coal preparation) (Acrylamide)

AM4016113

BOOK EXPLOITATION

s/

Kazakov, Aleksey Tikhanovich

Mothods and techniques of blasting operations in seismic prospecting (Metodika i tekhnika vary*vny*kk rabot pri seysmorazvedke), 2d ed., rev. and enl., Moscow, Gostoptekhizdat, 1963, 282 p., illus., biblio., 3,240 copies printed.

TOPIC TAGS: blasting, seismic prospecting, explosive, tetryl, trotyl, ammonite, hexogen, explosive storage, explosive transportation, boring, drill URB-2A, drill SBUD-150, drill UShB-16, drill URB-13, geophysics, geology

PURPOSE AND COVERAGE: This book gives brief information on seismic prospecting, geological strata and minerals, self-propelled drills, and methods of boring explosive charge pits. There is a detailed discussion of the fundamentals of the theory of explosives, the properties of explosives used in seismic prospecting, and the principles of setting an explosives charge. The general rules for blasting operations and the equipment used are described. The personnel required in blasting operations are outlined. There is a detailed presentation of the methods and techniques of blasting operations, blasting operations in natural water basins, the features of blasting operations on various surfaces and in the winter, blasting

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operations under complex meteorological conditions and at night. The methods and techniques are described considering the methodology of seismic observation, the quality of the seismogram, and the need to conserve resources. With respect to the conditions and requirements of seismic prospecting there is a detailed treatment of: the organization, conduct of blasting operations, short-time storage of explosives, transportation and use of explosives. The book gives attention to the basic rules of safety arising from the theory and practice of blasting in seismic prospecting considering the "Uniform Rules of Safety in Blasting Operations". The book is intended for specialists of the geophysical organizations conducting blasting operations and is a practical guide for seismic prospecting expeditions and parties. It can also serve as a text for preparing qualified cadres of blasters and blasting foremen in seismic prospecting.

TABLE OF CONTENTS [abridged]:

Introduction - - 3

Ch. I. Brief information on seismic prospecting - - 5 Ch. II. Strata and minorals - - 13

Ch. III. Boring explosives pits - - 23

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5/024/62/000/006/006/020 E140/E135

AUTHOR: *

1. 17

Kazakov, I.Ye. (Moscow)

TITLE:

On the statistical theory of continuous self-adjusting

systems

PERIODICAL: Akademiya nauk SSSR. Izvestiya. Otdeleniye

tekhnicheskikh nauk. Energetika i avtomatika, no.6,

1962, 76-81

TEXT: The author studies the gradient type of self-adjusting continuous system, in a variant previously studied by M. Margolis and C.T. Leondes (A parameter tracking servo for control systems, Trans. IRE, AC-4, no.2, 1959), in which probing or test steps are not required. The method requires prior knowledge of the structures of the process and of the control system. It is shown in the paper that although the auxiliary operators of the system are determined by the process and system and should ideally be altered at each change of parameters of the latter, in practice they can be given arbitrarily in a wide range without adverse effect on the system dynamics. There is I figure.

Card 1/1

SUBMITTED: May 23, 1962

\$/138/62/000/012/007/010 A051/A126

AUTHORS:

Gamburg, D. Yu., Kazakov, A. V., Lelyakina, T. M., Belugina, L. N.,

Veselovskiy, K. B.

TITLE:

Investigation of carbon black produced by electro-cracking of

natural gas to acetylene

PERIODICAL: Kauchuk i rezina, no. 12, 1962, 22 - 24

Samples of acetylene carbon blacks, obtained from dry collection and produced in one of the electro-cracking plants, were studied in 1959 - 1960 by the IMAN (SIAP - State Institute of Scientific Research and Design of the Nitrogen Industry and Products of Organic Synthesis), in cooperation with HNNPH (NIIRP - Scientific Research Institute of the Rubber Industry). Investigations were conducted to determine the possible use of these samples as fillers in rubber mixes. The major disadvantages of the investigated carbon blacks were found to be: the high volumetric numbers, elevated ash content and a low density which in some cases not exceeded 40 - 50 g/l. Work has been carried out to increase the density by 3 to 4 times and reduce the volumetric number from 34

Card 1/2

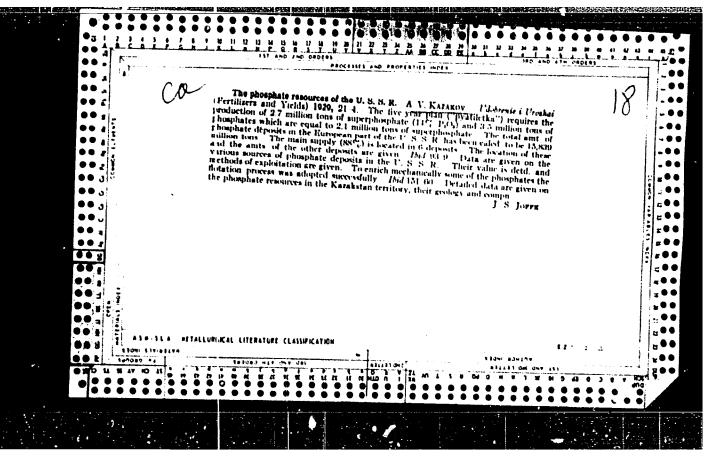
Investigation of carbon black...

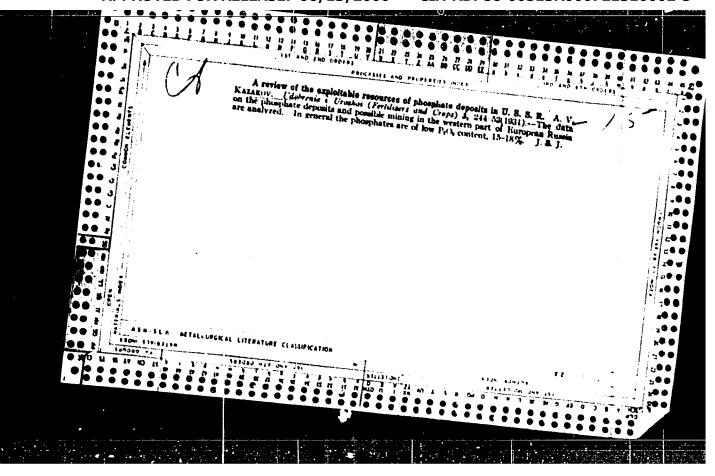
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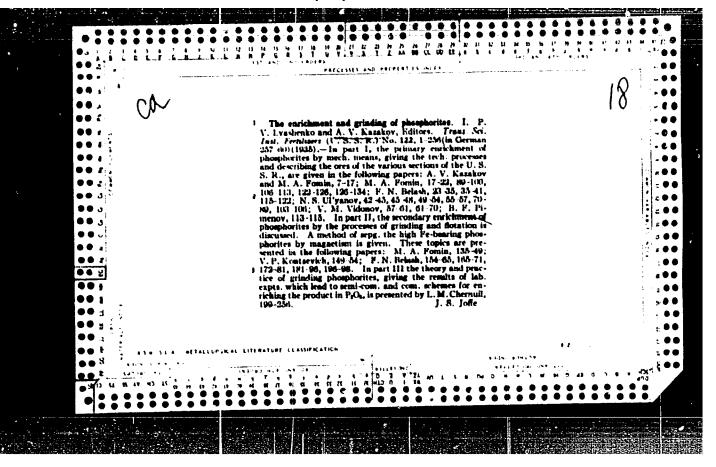
to 5.9 cm³/g. The ash content could also be reduced by regulating the production process through gas annealing with vapour condensate. Finally, the elevated content of volatile substances could also be reduced with an increase in annealing temperature. The advantages of the methane electro-cracking carbon black are: the high tensile strength, hardness according to TM-2 (TM-2), increased tear resistance exceeding; the standard acetylene carbon black in this respect. It was experimentally established that with the properly adjusted carbon-black production process from gases of methane electro-cracking, carbon black compression, and its granulation, a stable product is formed which is not inferior to standard acetylene carbon black [II-1250 (P-1250)], and carbon black from methane electrooracking produced at present in the OFR. The investigated carbon black gives the same properties to the rubber mixes as the latter two. There are 2 tables.

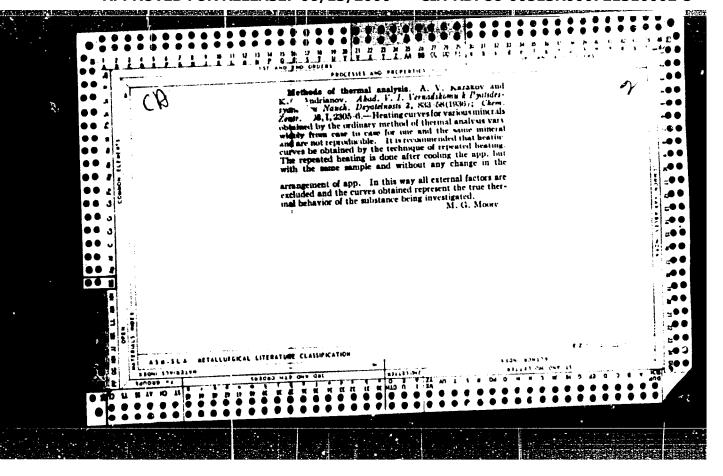
ASSOCIATION: Gosudarstvennyy nauchno-issledovatel skiy proyektnyy institut azotnoy promyshlennosti i produktov organicheskogo sinteza i Nauchnoissledovatel skiy institut rezinovoy promyshlennosti (State Institute of Scientific Research and Design of the Nitrogen Industry and Products of Organic Synthesis and Scientific Research Institute of

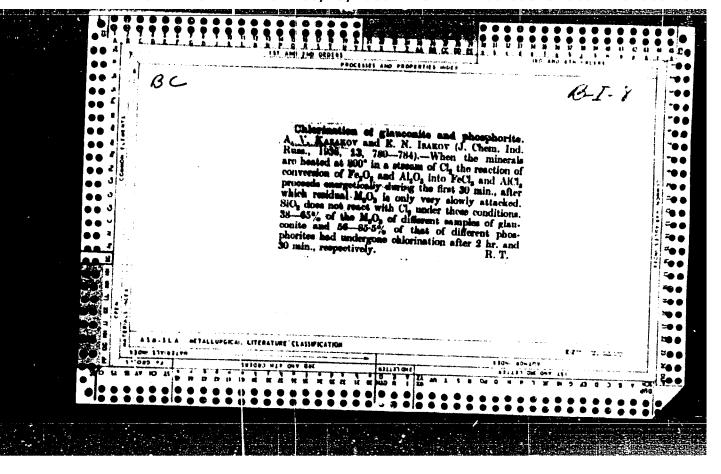
Card 2/2

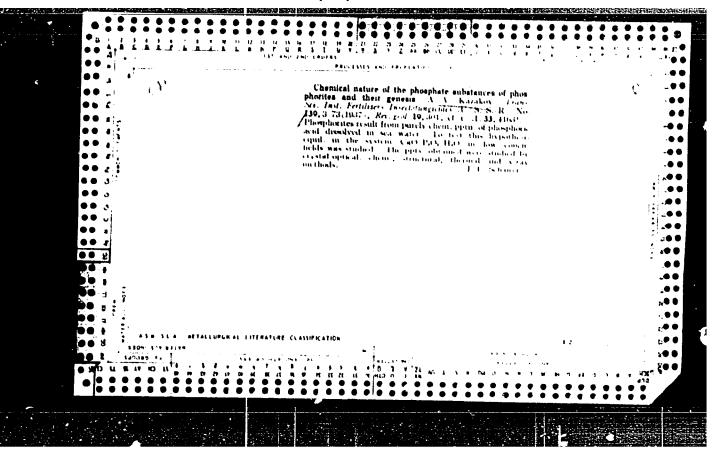


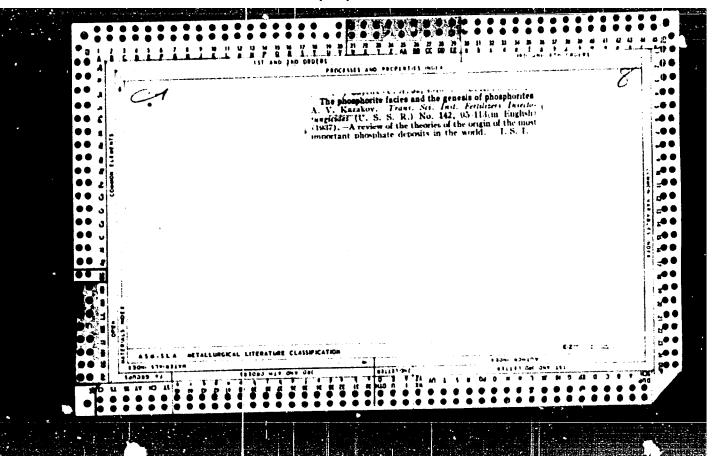


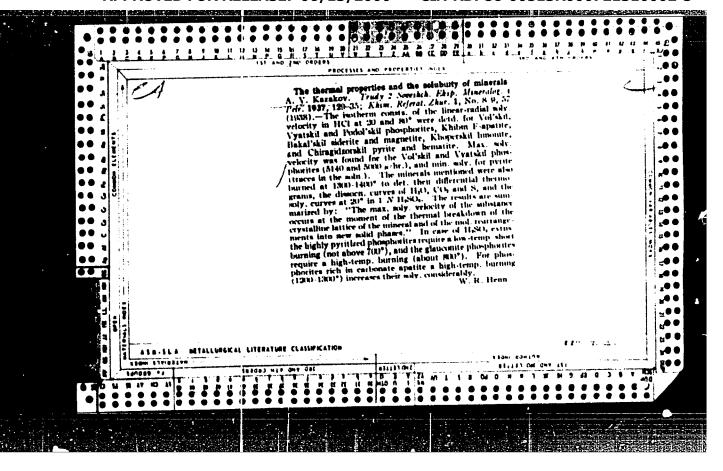


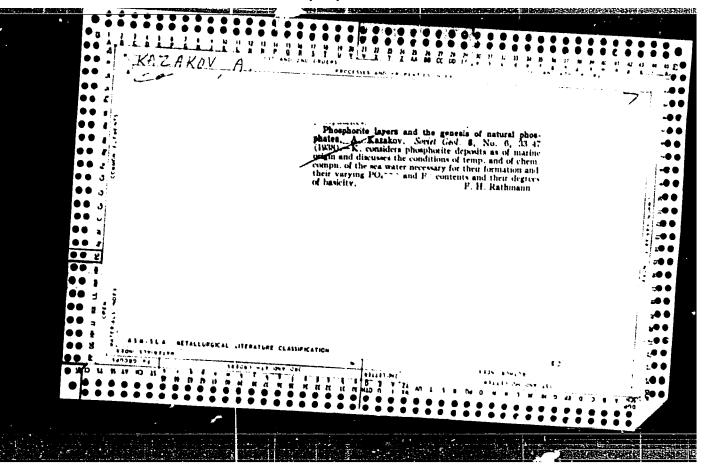


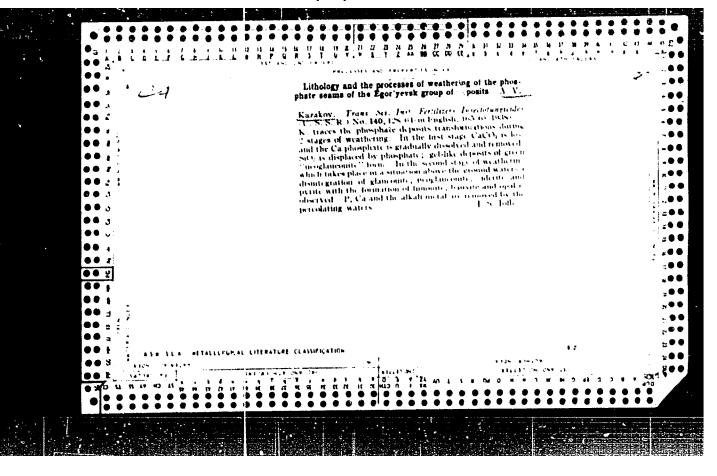


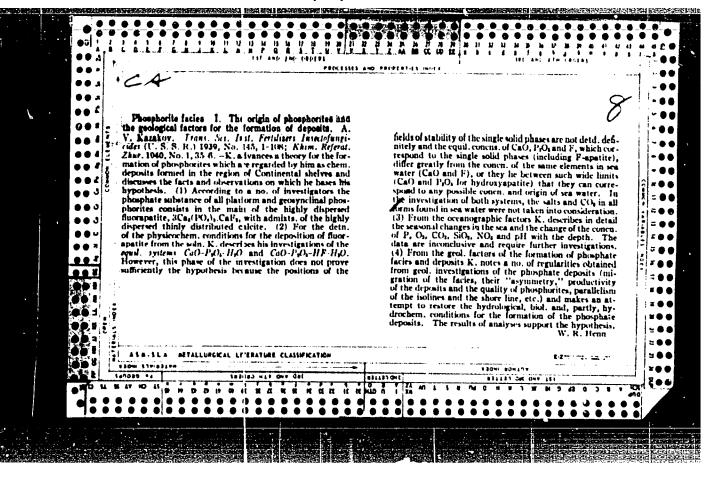












KAZAKOV, A. V.

168T41

USSR/Geology - Phosphate Rocks

Sep/Oct 50

"Geote:tonics and Formation of Phosphate Rock Deposits A. V. Kazakov

"Iz Ak Nauk SSSR, Ser Geol" No 5, pp 42-69

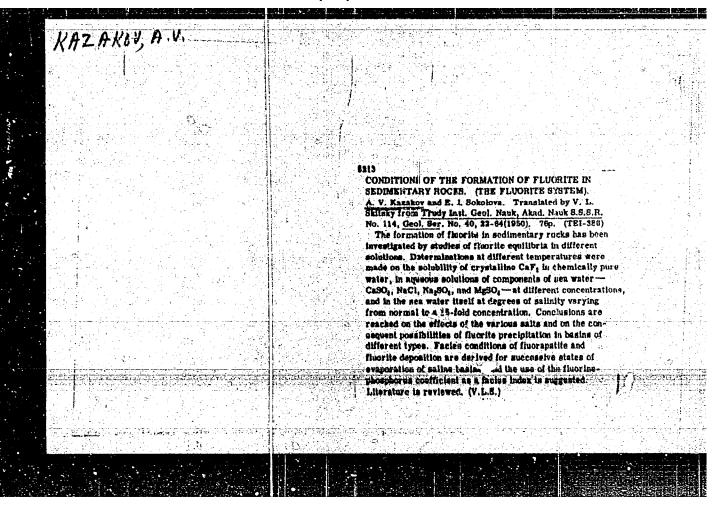
Conclusions on geographic distribution of phosphate rock deposits based on two geologicogenetic regularities. For first time proves and experimentally confirms formation of phosphate rocks as chemical marine deposits from deep ocean waters during transgression on continent. Studies Mesozoic of Russian platform and other areas to show that publicable had phate rock deposits of carried industrial importance areas in regions of geotoctonics.

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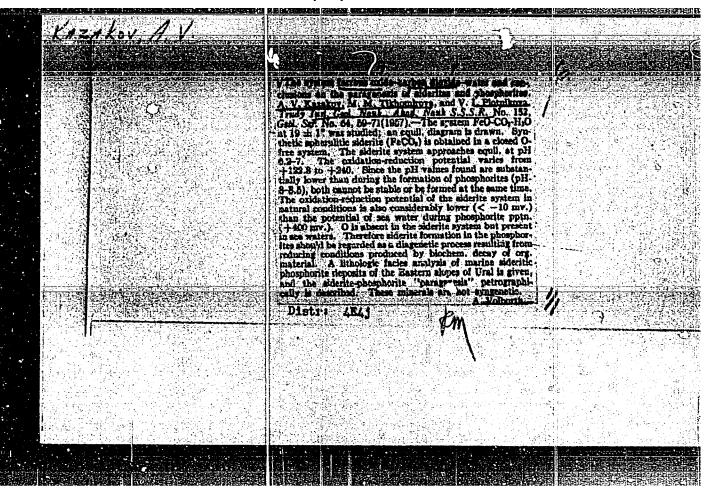
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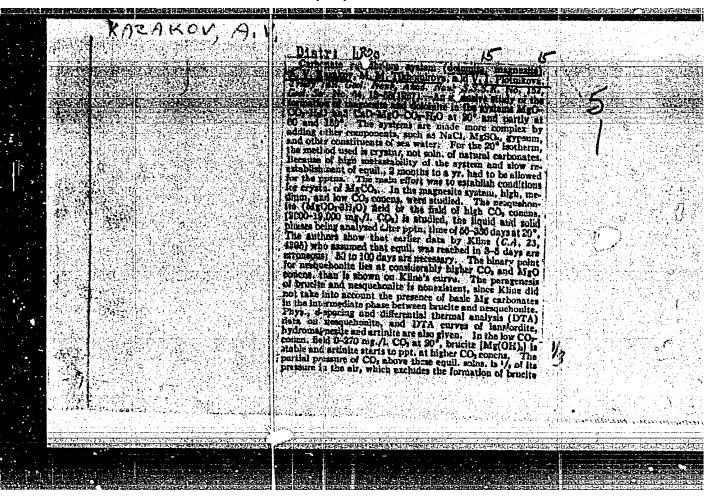
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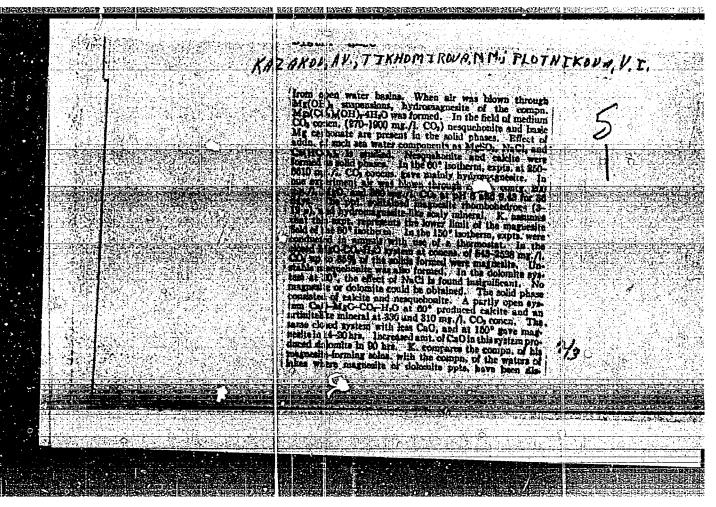
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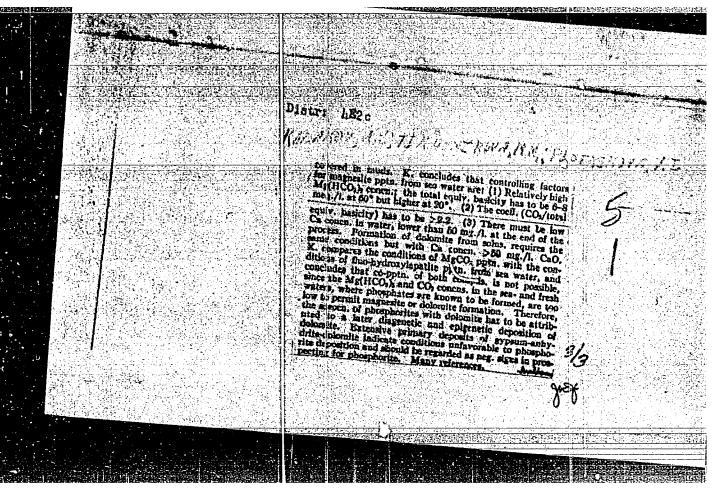


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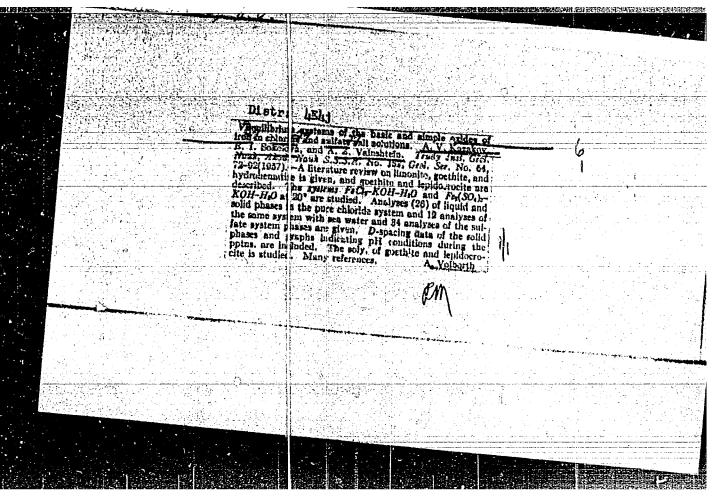








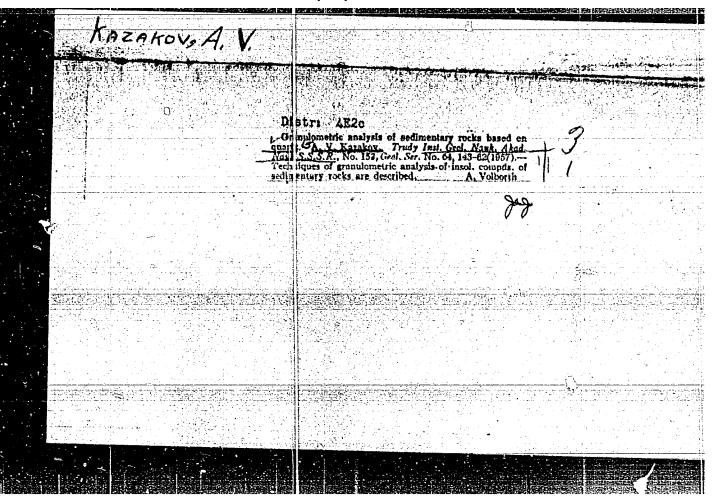
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KAZAKOV, A.V.

Glauconite. Trudy Inst. geol. nauk no.152:93-142 '57. (MLRA 10:9)

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5



NOVIKOV, A.S., kand.khim.nauk; KALUZHENINA, K.F., kand.tekhn.nauk; GILINSKAYA, N.S.; KAZAKOV, A.V.; Prinimala uchastiye ARKHANGKL'SKAYA, M.I.

Production of heat-resistant rubbers based on butadisne-nitrile polymers. Trudy NIIRP no. 7:25-33 '60. (MIRA 14:1) (Resins, Synthetic)

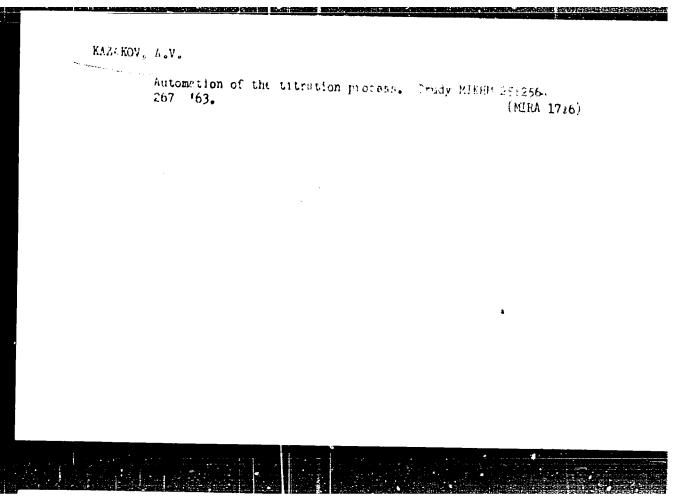
GAMBURG, D.Yu.; KAZAKOV, A.V.; LELYAKINA, T.M.; BELUGINA, L.N.; VESELOVSKIY, K.S.

BEEN MECHANISM STATEMENT CONTRACTOR OF MANAGEMENT SO

Investigating the carbon black obtained in the electric cracking of natural gas prior to the formation of acetylene. Kauch.i rez. 21 no.12:22-24 D '62. (MIRA 16:1)

1. Gosudarstvennyy nauchno-issledovatel'skiy proyektnyy institut azotno; promyshlennosti i produktov organicheskogo sinteza i Nauchno-issledovatel'skiy institut rezinovoy promyshlennosti.

(Carbon black) (Gas, Natural)



APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5"

KAZAKOV, B.A. (Rostov-na-Domu)

Garpike in the Don River. Priroda 50 no.11:117 N '61.

(Don River-Garpikes)

KAZAKOV, B.A., uzhitel

Work of students in the conservation of nature. Biol. v shkole no.2:59-60 Mr-Ap '62. (MIRA 15:2)



THE STATE OF THE PROPERTY OF T

KAZAKOV, B. A.

"A Case of Afebrile Sinus Chrombosis," Vest. oto-rino-paringol., No.2, 1948

KAZAKOV, B. A.

"Case of Extracting Foreign Body Wedged in the Esophagus and Causing an Esophageal Abscess," Vest. oto-rino-paringol., No.4, 1948

Otorhinolaryngological Cept., Kirov Obl. Hosp.



KAZAKOV, B. A.

"Acute Suppurative Inflannation of the Middle Ear with Sequestration of the Labyrinth and innundated with Suppurative Meningitis", Journal of Oto-Rino-Laryngology, Issue 3, 72.

"APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000721310002-5 KAZAKOV, B. A. KAZAKOV, B.A., saslushennyy vrach RSFSR Acute suppurative otitis media with swquestration of the labyrinth and with diffuse suppurative meningitis. Vest. oto-rin. 16 no.3: 72 My-Je 154. (MLRA 7:7) 1. Is oto-laringologicheskogo otdeleniya Pskovskoy oblastnoy bol 'nitsy. (OTITIS MEDIA, complications, *meningitis & sequestration of labyrinth) (MENINGITIS, complications, *otitis media. & sequestration of labyrinth) (LABYRINTH, diseases, *sequestration in otitis media with meningitis)

Ctogenic sepsis based on material from the otorhinolaryngological section of the Pakov Province Hospital for the period 1949-1955.

Vest.oto-rin, 19 no.3:116 My-Je '57. (MIRA 10:10)

(SEPTIGEMIA) (EAR-DISEASES)

KAZAKOV, B.A., Easluzhennyy virach RSFSR

Contagiousness of Sinanovskii-Vincent's angina [with summary in English]. Vest.oto..rin. 20 no.3:18-19 My-Je '58 (MIRA 11:6)

1. Iz otolaringologiicheskogo otdeleniya Pskovskoy oblastnoy bol¹ nitsy.

(VINCENT'S DETACTION, transm. contagiosity (Rus))



Company of the Compan

Ctogenic abscesses: f the brain end cerebellum. Vest.oto.-rin. 20 no.4:104 J1-Ag '58 (MIRA 11:7)

(BRAIN--AB: CHSSNS)

e de la company de la company

Isolated burns of the stonach by caustic chemicals without esophageal lesions. Vest.oto-rin.20 no.5:122-124 S-0 '58 (MIRA 11:12)

1. Iz otolaringologicheskogo otdeleniya Pakovskoy oblastnoy

KAZAKOV, B.A., Englushennyy wrach RSFSR.

bol'nitsy.

(STOMACH, dis.

caustic lesions without esophageal damages (Rus))

(CAUSTICS, inj. eff.

stomach lesions with esophageal damage (Rus))

KAZAKOV, Boris lenetty. dol; dal. GENOVSKAYA, C.B., rat.

[Metain tell their story] Metally recakez/value a sebe. Magadan, Magadanskoe kriptnee izi-ve, 1962. 2007 p. (MIBA 17.0)

ARUTYUNYAN, R.N.; KAZAKOV, E.M.; KIEYMAN, A.D.

Wells for vacuum water lowering in stratified soils. Osn., fund. i mekh. grun. 7 no.3:12-13 '65. (MIRA 18:6)



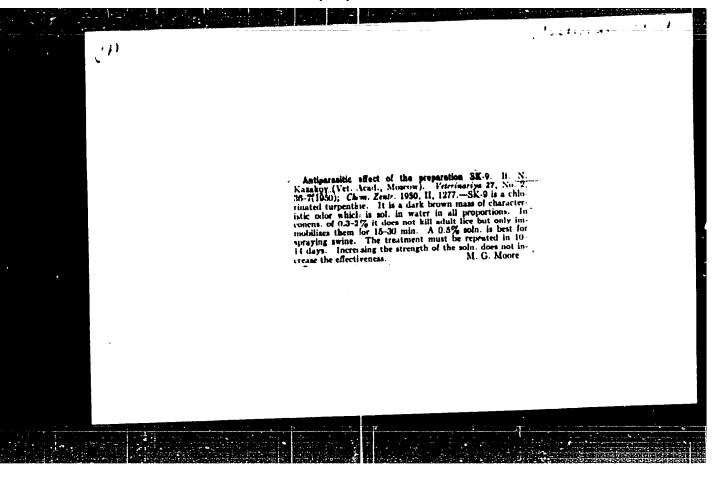
KAZAKOV, B.N. Cand. Vet. Sci.

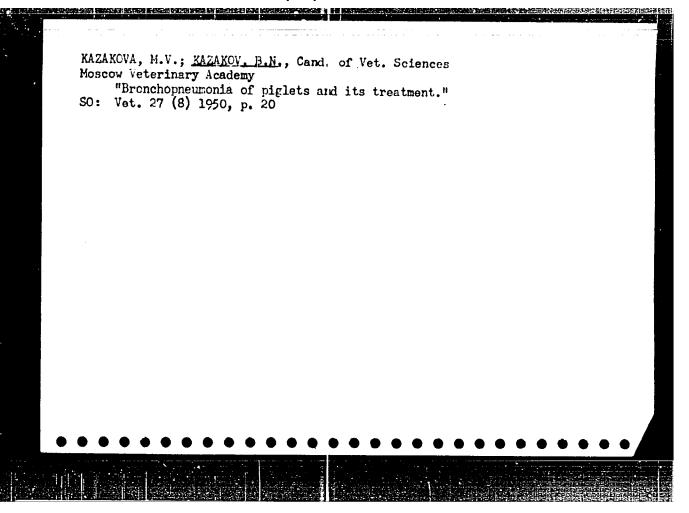
30437

Moscow Vet. Acad.

Modifitsirovannyy polyevoy zhloranalizator. Vyetyerinariya, 1949, No 10, s. 50-52 SC: LETOPIS! No. 34

Translation - "Modified Field Chloring Analyzer"



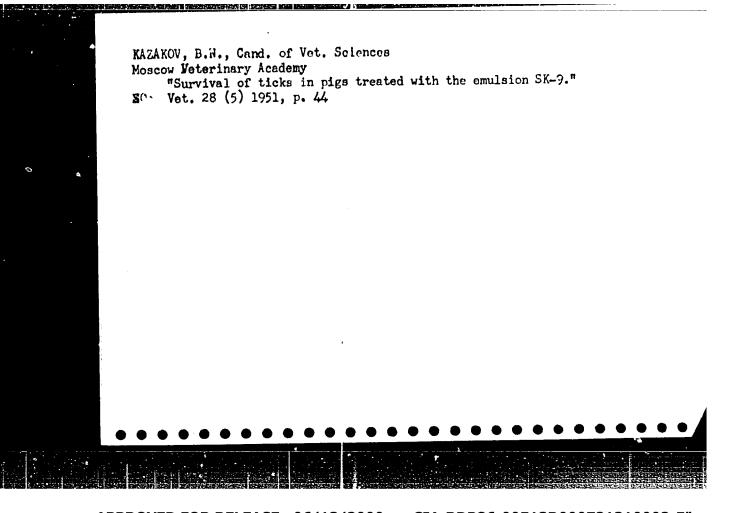


KAMAKOV, B. N.; LYUBINOV, V. I. (Vet.)

"Anaphylactic shock in pigs in passive immunization."

S0: Veterinariya 27 (12), 1950, p. 23





KAZAKOV, R. W. (Cand in Met Sei)

USSR/Medicine, Veterinary - Immunization

Sep 52

"Anaphylactic Shock in Swine Resulting From Passive Immunization," B. N. Kazakov, Cand in Vet Sci, V. I. Lyubimov, Vet Physician, Moscow Vet Acad

"Veterinariya" Vol XXIX, No 9, p 57

Passive immunization of swine, which have never been immunized before, with 20 cc antierysipelas serum injected subcutaneously behind the right ear, produces anaphylaxis. In order to avoid any reaction, the authors recommend that 1 cc of the serum be administered 1st and a full dose of 20 cc be injected 30 min later.

225T26

KAZAKOV, B.N. (Moskva)

Selection of trained personnel is the most important part of

organizational work. Sov.zdrav. 14 no.5:3-7 S-0 '55(MLR# 8:12)

1. Machal nik Upravleniya kadrov Ministerstva zdravookhraneniya RSJSR.

(PUBLIC HRALTE

in Russia, Selection of med.workers)

KAZAKOV, B.N., kandidat veterirarnykh nauk; ZOTOV, V.A., aspirant.

Intramuscular carbon tetrachleride injections in fasciellasis in sheep. Veterinariia 32 ne.8:50-52 Ag 155. (MLRA 8:10)

1. Nauterechnaya rayvetilechebnitaa, Greznenskoy oblasti. (VETERIHARY MAMERIA MEDICA AND PHARMACY)